

## **10 am Discussion**

### **February 18, 2020**

#### Addiction Medicine

Victor Trevino, *Cannabinoids & microglia*

Katrina Schmidt, *Cannabis & bipolar disorder*

#### Neuropathology I

Jazmin Cole, *Alzheimer's disease & vascular pathology*

Brenda Hughes, *In mice, but what about humans? Alzheimer's disease treatments*

Connie Hanthaley, *Traumatic brain injury & physiology of diffuse axonal damage*

### **February 25, 2020**

#### Neuropathology II

Dixie Davila, *Hormonal birth control & depression*

Nora Kearns, *Chronic, systemic, low-grade inflammation as a mechanism for depression*

Erin Swalwell, *Long-term effect of nootropics (smart drugs) on cognitive function*

#### Immunology

Celina Maldonado, *Crimean-Congo hemorrhagic fever infection in humans*

Govani Carlos-Cortes, *E coli O15:H7 pathogenesis*

Maggie Kerner, *Bacteriophages as antibiotic replacement*

Clara Rehmann, *Impact of bat immunology & physiology on their role as virus reservoirs*

### **March 3, 2020**

#### Nutrition & Exercise Physiology

Elizabeth Wilson, *Artificial sweeteners & gut microbiome*

Jack Gardner, *Nutrient protein content, timing & muscle growth*

Spencer Kankel, *Occlusion in a clinical setting & with athletes*

#### Alternative Medicine, Biopsychology

Kylee Schickling, *Psilocybin mushrooms for end of life therapy*

Morgan Shoaff, *Physiological analysis of life vs death*

## **12 n Discussion**

### **February 18, 2020**

#### Neuropathology

Dakota Paulus, Connecting the gut & brain: Alzheimer's disease & the microbiome  
Jessica Danielle Geiger, Migraines & trigeminal nucleus caudalis pathophysiology  
Nico Rondio, Eye fatigue from computers

#### Oncology & Molecular Biology

Ava Tajbakhsh, Hereditary breast cancer: germline BRCA mutations & preventative measures  
Hannah Murawsky, MicroRNAs (miRNAs) & their role in cancer  
Anna Kulawiec, Heritable stress & disease: epigenetics, DNA methylation & histones

#### Special Topics

Whitney Warth, Glucose effects on periodontal ligament osteocyte activity & bone formation  
Elizabeth Smith, Oral contraceptives, kynurenine pathway & depression

### **February 25, 2020**

#### Cardiovascular System & Pathology

Chris Garcia, Anabolic-androgenic steroids & cardiac dysfunction  
Jordan Li, Treatment of pediatric atrial septal defects  
Raj Shah, Umbilical cord blood banking  
Nick Rogozinski, Ebola hemorrhagic fever

#### Nutrition I

Tara Delbakhsh, Vegan diet & high-performance athletes  
Megan Lonhart, Vegan diet & cardiovascular health  
Joseph Hwang, Plant-based diets effect on obesity  
Nicholas Kaltenbach, Intermittent fasting & mechanisms for adipose mobilization

### **March 3, 2020**

#### Nutrition II

Amanda McCarter, Sugar addiction  
Alia Girvan, Effect of sugar consumption on neurotransmitter levels  
Jenna Rudolph, In defense of carbohydrates: microbiota accessible carbohydrates  
Lilian Chen, Toxic effects of arsenic in rice

#### Sports Medicine

Sarah Nakamoto, Non-contact anterior cruciate ligament (ACL) injuries in the female athlete  
Emily Moore, Malignant hyperthermia

## **2 pm Discussion**

### **February 18, 2020**

#### Addiction Medicine

Sheridan Selby, *Genetics of alcohol dependence*

Keely Li, *Caffeine & physiology effects*

Jake West, *Vaping & health concerns*

Kunsel Lathsang, *Vaping, nicotine salt e-liquid & coronary heart disease*

#### Sleep Physiology

Camden Nemec, *Slow-wave sleep & memory consolidation*

Michelle Hernandez, *Sleep deprivation & cognitive function*

### **February 25, 2020**

#### Neuropathology

Peter James, *Parkinson's disease & alpha-synuclein*

Ally Carlile, *Computational techniques in understanding retinal ganglion cells*

#### Cardiovascular Pathology & Health

Alex Wind, *Bicuspid aortic valve disorder (BAVD) & aortic aneurysm susceptibility*

Jolie Jitto, *Low-level light therapy, nitric oxide & microvascular health*

### **March 3, 2020**

#### Endocrinology, Immunology & Reproduction

Marie Bordes, *Epigenetics & type II diabetes*

Xuwei Gao, *Antibiotics, organ & systems side effects*

Xuntao Zhou, *Ribociclib & Trastuzumab therapy for breast cancer*

Hayley Sims, *Physiological consequences of unnecessary Caesarean sections*